

Converting Colors

XYZ(23.0330, 24.6676, 23.8631)

Have a look what the booklet for
XYZ(23.0330, 24.6676, 23.8631)
contains.

XYZ(23.1585, 24.7682, 23.9822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1585, 24.7682,
23.9822)**

Conversions

Conversions Part 1

Format	Color
Hex	898980
RGB	137, 137, 128
RGB Percent	54%, 54%, 50%
CMY	0.4627, 0.4627, 0.4980
CMYK	0.00, 0.00, 0.07, 0.46
HSL	60°, 4%, 52%
HSV	60°, 7%, 54%
XYZ	23.1585, 24.7682, 23.9822
YIQ	135.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

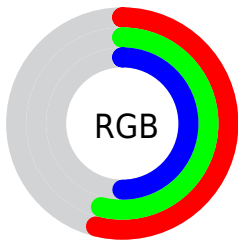
Format	Color
R_{YB}	128, 137, 128
Decimal	9013632
CIE _{Lab}	56.85, -1.71, 4.82
CIE _{LCh}	57, 5.113, 109.559
Yxy	24.7682, 0.3221, 0.3444
Android (android.graphics.Color)	4287203712 (0xFF898980)
YUV	135.9740, -3.9312, 0.8998
Hunter-Lab	49.7677, -4.0316, 6.2665

Details

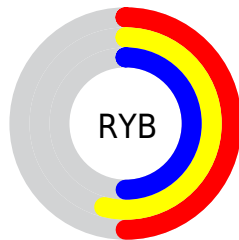
The XYZ color **23.1585, 24.7682, 23.9822** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1375, 21.8343, 26.7686**, and the grayscale version is **23.4061, 24.6250, 26.8167**.

A 20% lighter version of the original color is **47.9892, 51.1103, 51.0520**, and **8.7500, 9.4071, 8.7517** is the 20% darker color. If you saturate the color by 10%, you get **22.3167, 24.4322, 19.5491**, and if you desaturate by 10%, it is **24.1235, 25.1551, 29.0577**.

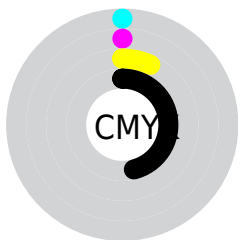
Distribution



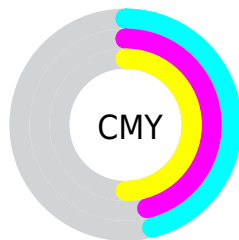
- Red (54%)
- Green (54%)
- Blue (50%)



- Red (50%)
- Yellow (54%)
- Blue (50%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (46%)



- Cyan (46%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1585, 24.7682, 23.9822 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.1585, 24.7682, 23.9822 by changing the saturation by 10% instead.

■ 23.1585, 24.7682,
23.9822

■ 23.1585, 24.7682,
23.9822

261.0582,
276.6816, 286.0141

■ 14.8319, 15.9044,
15.1083

■ 48.1182, 51.2809,
50.9446

■ 8.7871, 9.4566,
8.7480

■ 65.4820, 69.6987,
69.8703

■ 4.6585, 5.0402,
4.4826

■ 86.5890, 92.0699,
92.9836

■ 2.0810, 2.2708,
1.8937

111.8044,
118.7790, 120.7031

■ 0.6789, 0.7582,
0.4887

141.4937,
150.2103, 153.4474

■ 0.0000, 0.0000,
0.0000

176.0222,

186.7482, 191.6349

215.7553,
228.7772, 235.6844

■ 23.1585, 24.7682,
23.9822

■ 23.1585, 24.7682,
23.9822

■ 22.3167, 24.4322,
19.5491

■ 24.1235, 25.1551,
29.0577

■ 21.5911, 24.1419,
15.7314

■ 25.2142, 25.5914,
34.7982

■ 20.9773, 23.8963,
12.5022

■ 26.4356, 26.0801,
41.2270

■ 20.4697, 23.6932,
9.8325

■ 27.7919, 26.6226,
48.3658

■ 20.0623, 23.5302,
7.6903

■ 29.2869, 27.2207,
56.2356

■ 19.7485, 23.4046,
6.0407

■ 30.9246, 27.8758,
64.8561

■ 19.5207, 23.3134,
4.8446

■ 32.7084, 28.5895,
74.2467

■ 19.3706, 23.2533,
4.0569

■ 34.6420, 29.3630,
84.4258

■ 19.2832, 23.2183,
3.6001

■ 36.7288, 30.1977,
95.4112

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.7505, 24.7682, 23.8571



23.1585, 24.7682, 23.9822



22.6769, 24.7682, 24.8877

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.1585, 24.7682, 23.9822



22.8033, 24.7682, 29.5536



24.6907, 24.7682, 27.5697

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.1585, 24.7682, 23.9822



21.1375, 21.8343, 26.7686

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.4276, 24.7682, 29.1618



23.1585, 24.7682, 23.9822



23.3336, 24.7682, 30.3390

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.1585, 24.7682, 23.9822



22.4743, 24.7682, 28.0861



23.9286, 24.7682, 30.1926



24.6419, 24.7682, 25.8806

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.1585, 24.7682, 23.9822



22.4801, 24.7682, 25.8343



23.9286, 24.7682, 30.1926



24.6356, 24.7682, 28.1351

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.1592, 24.7693, 23.9827



42.2259, 44.6566, 46.9155



21.9327, 22.3158, 23.5738



9.4764, 10.0184, 10.5510



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1592, 24.7693, 23.9827



41.2150, 44.2522, 41.5955



22.4369, 24.3969, 23.9489



5.4309, 5.8449, 5.3943



17.9372, 21.6169, 3.2271



0.1192, 0.1436, 0.0214

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.1375, 21.8343, 26.7686



36.7571, 37.7806, 47.7382



21.8293, 22.1910, 26.8009



4.7748, 4.8923, 6.2985



4.2065, 1.6826, 22.1488



0.0280, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 23.1585, 24.7682, 23.9822 looks on a white background.

Color Contrast Check

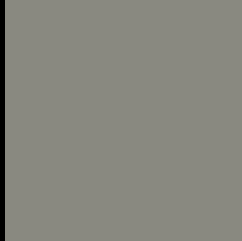
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.1585, 24.7682, 23.9822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

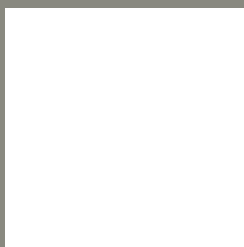
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1585, 24.7682, 23.9822

Background



This preview shows how black text looks on a background with the XYZ color 23.1585, 24.7682, 23.9822.



This preview shows how white text looks on a background with the XYZ color 23.1585, 24.7682,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.1585, 24.7682, 23.9822

Protanopia

23.6194, 24.8033, 23.6213

Deuteranopia

25.1626, 24.7629, 24.2224



Tritanopia

24.4511, 24.6700, 30.2611

Trichromacy



Original Color

23.1585, 24.7682, 23.9822

Protanomaly

23.4501, 24.7161, 23.6134

Deuteranomaly

24.5202, 24.8382, 24.2708

Tritanomaly

23.9716, 24.6810, 27.9266

Monochromacy



Original Color

23.1585, 24.7682, 23.9822

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1911, 24.5360, 25.7039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1585, 24.7682, 23.9822 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(137, 137, 128)` looks like.

```
.text, #text, p{  
    color:rgb(137, 137, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(137, 137, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 137, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.1585, 24.7682, 23.9822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 137, 128) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(137, 137, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(137, 137, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 137, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 137, 128);  
box-shadow:4px 4px 4px 4px rgb(137, 137,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1585, 24.7682, 23.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 137, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(137,  
137, 128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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